

Pineberry

by Arya Akhavan (March 2013)

Angles for R.I. = 1.560

98 + 15 girdles = 113 facets

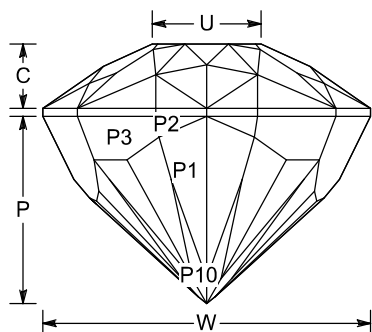
1-fold, mirror-image symmetry

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L/W = 1.161 T/W = 0.385 U/W = 0.332

P/W = 0.570 C/W = 0.196

Vol./W³ = 0.330



PAVILION

P1	42.50°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78-82-86-90-94	Cut to centerpoint.
G1	90.00°	05-91	Set stone length.
G2	90.00°	10-86	Meet P1, G1
G3	90.00°	21-75	Meet P1, G2
G4	90.00°	24-72	Meet P1, G3
G5	90.00°	33-39-57-63	Meet P1, G4
G6	90.00°	45-51	Meet P1, G5
G7	90.00°	48	Meet P1, G6
P2	59.56°	05-91	Meet P1, G1 (level girdle)
P3	61.45°	10-86	Level girdle.
P4	65.48°	21-75	Level girdle.
P5	63.83°	24-72	Level girdle.
P6	60.48°	33-39-57-63	Level girdle.
P7	61.75°	45-51	Level girdle.
P8	62.16°	47-49	Level girdle.
P9	64.73°	48	Level girdle.
P10	42.00°	04-12-28-36-44-52-60-68-84-92	Meet P1, P4, P5 (only 2 facets meet)

CROWN

C1	30.36°	05-91	Set girdle width.
C2	34.96°	10-86	Level girdle.
C3	39.80°	21-75	Level girdle.
C4	34.72°	24-72	Level girdle.
C5	34.96°	33-39-57-63	Level girdle.
C6	34.96°	45-51	Level girdle.
C7	38.99°	48	Level girdle.
C8	34.96°	20-76	Meet G2, G3, C2, C3
C9	34.96°	22-74	Meet G3, G4, C3, C4
C10	30.94°	36-60	Meet G5, C5
C11	33.43°	46-50	Meet G6, G7, C6, C7
C12	29.51°	13-83	Meet G2, G3, C2, C3, C8
C13	25.45°	02-94	Meet G1, C1
C14	30.07°	21-75	Meet C3, C8, C9
C15	22.84°	30-66	Meet C4, C5, C10; C4, C9, C14
C16	25.69°	44-52	Meet C5, C6, C10, C11
C17	22.47°	03-93	Meet C1, C2, C12, C13
C18	22.11°	07-89	Meet C1, C2, C12, C13, C17
C19	22.00°	26-70	Meet C4, C9, C14, C15
C20	22.58°	47-49	Meet C11, C16
C21	20.51°	96	Meet C13, C17
C22	18.34°	36-60	Meet C10, C15, C16
C23	13.95°	12-84	Meet C12, C14, C18; C17, C18, C21
T	0.00°	Table	Meet C15, C19, C22; C16, C20, C22; C17, C18, C21, C23

For some bizarre reason, I really wanted a design that looked like a strawberry. So, I wrote one, based on the appearance of a strawberry I was in the middle of eating. I may have gone a bit overboard with facets. Works in materials from bytownite to GGG (RI = 1.56 - 2.03), but I prefer it in bytownite or yellow sunstone. Suggested length = 15-20 mm

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